

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142960.D
 Acq On : 01 Jul 2025 20:33
 Operator : RC/JU
 Sample : Q2464-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-063025

Quant Time: Jul 02 01:04:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

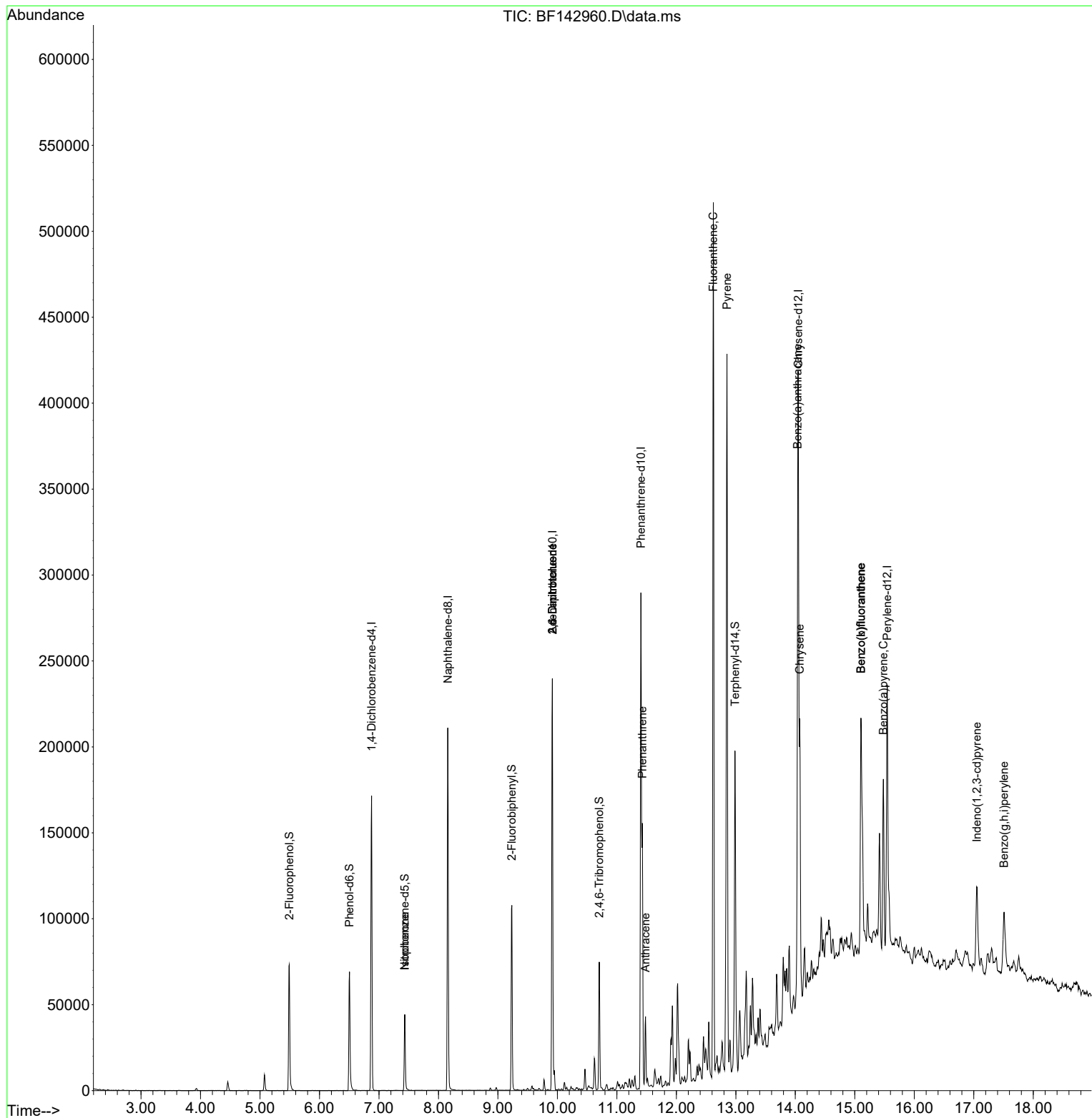
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	38896	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	135760	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	72580	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	146061	20.000	ng	0.00
76) Chrysene-d12	14.051	240	115634	20.000	ng	0.00
86) Perylene-d12	15.545	264	89979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	32404	13.870	ng	0.00
7) Phenol-d6	6.504	99	36034	13.074	ng	0.00
23) Nitrobenzene-d5	7.434	82	20029	8.092	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	12237	16.384	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	51982	9.409	ng	-0.01
79) Terphenyl-d14	12.986	244	82183	9.820	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.434	82	20029	5.045	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	9668	9.370	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	9668	7.054	ng	# 26
71) Phenanthrene	11.428	178	80174	10.133	ng	99
72) Anthracene	11.481	178	25098	3.093	ng	99
75) Fluoranthene	12.622	202	285719	38.050	ng	99
78) Pyrene	12.851	202	242863	22.407	ng	99
81) Benzo(a)anthracene	14.039	228	107771	13.815	ng	97
83) Chrysene	14.075	228	84725	12.172	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	36401	5.311	ng	94
88) Benzo(b)fluoranthene	15.104	252	119560	22.963	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	119560	24.544	ng	# 97
90) Benzo(a)pyrene	15.480	252	59548	11.839	ng	96
92) Benzo(g,h,i)perylene	17.510	276	33810	6.089	ng	99

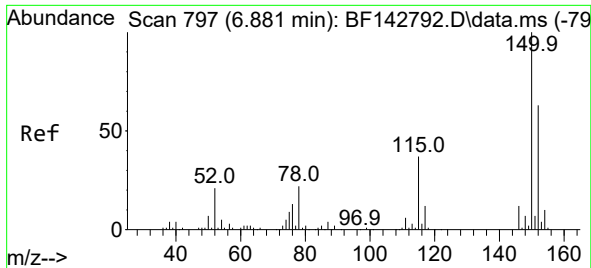
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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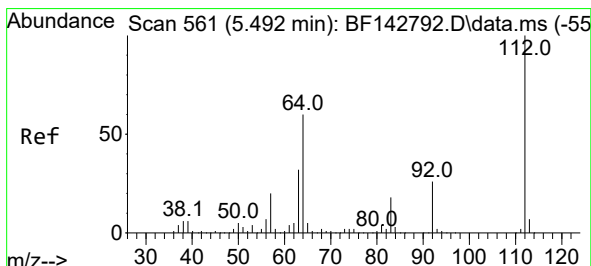
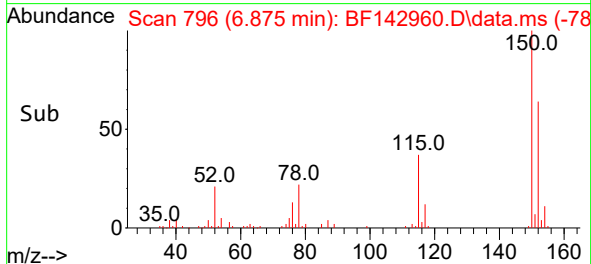
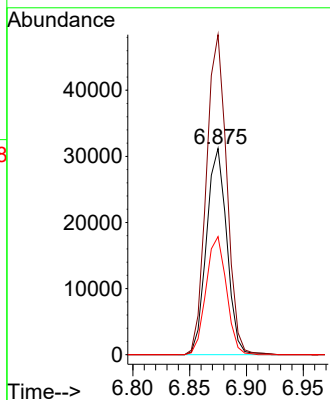
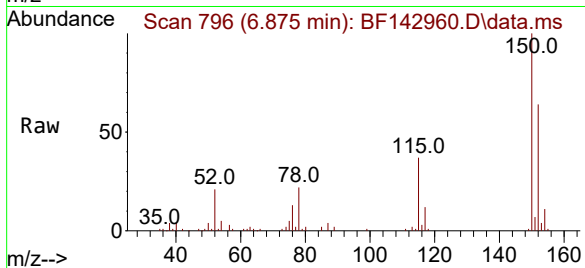




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

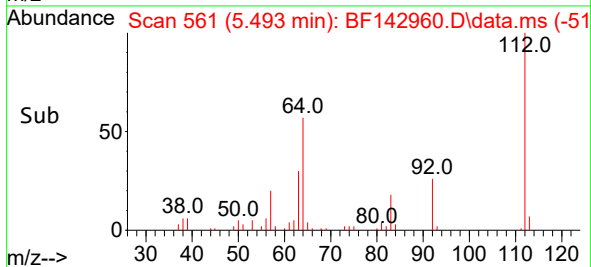
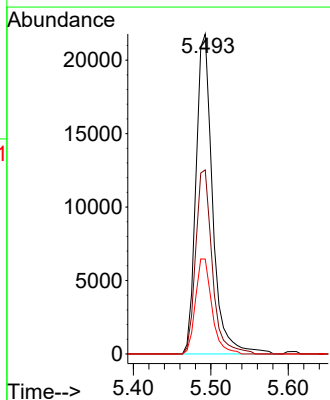
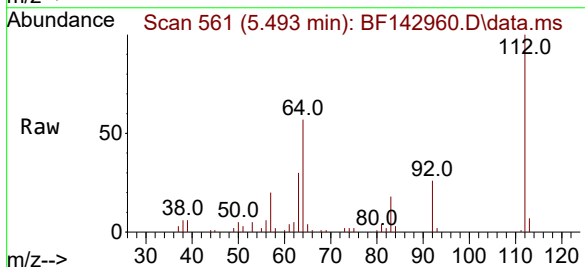
Instrument :
BNA_F
ClientSampleId :
OR-3-063025

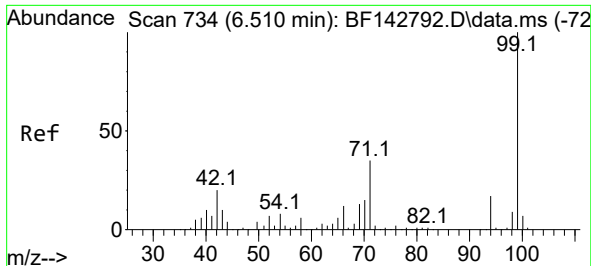
Tgt Ion:152 Resp: 38896
Ion Ratio Lower Upper
152 100
150 155.2 127.2 190.8
115 57.2 46.6 69.8



#5
2-Fluorophenol
Concen: 13.870 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:112 Resp: 32404
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 29.7 25.7 38.5

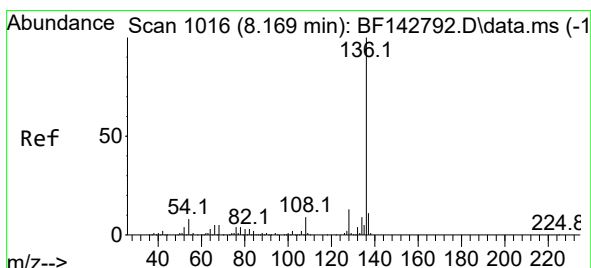
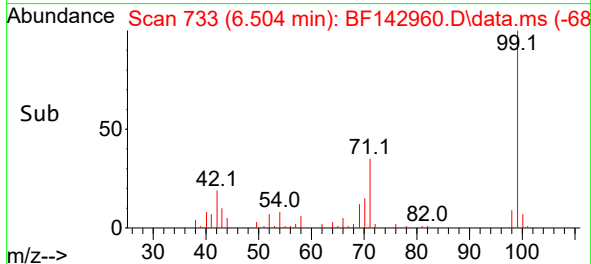
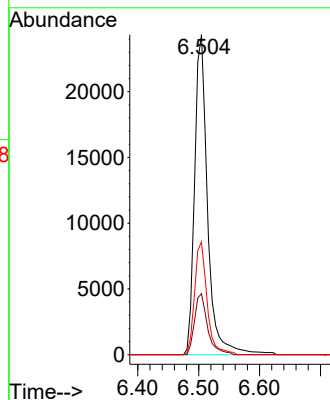
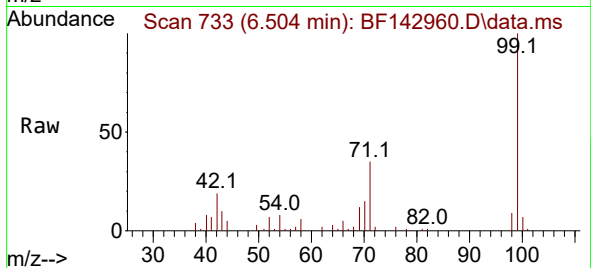




#7
Phenol-d6
Concen: 13.074 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

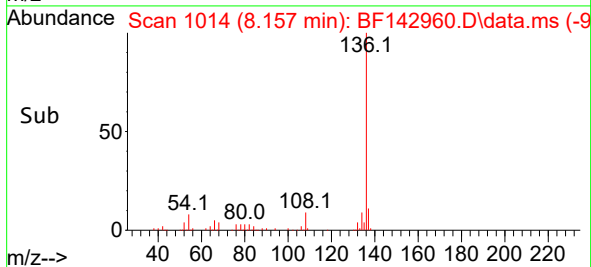
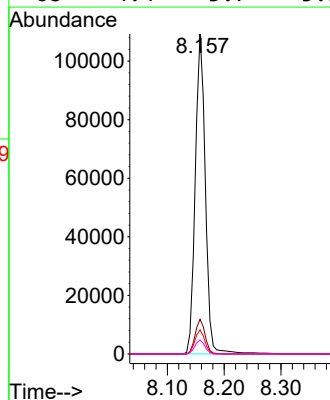
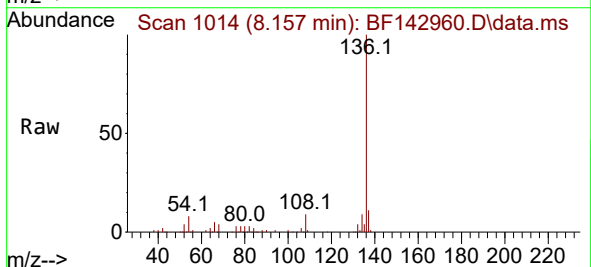
Instrument :
BNA_F
ClientSampleId :
OR-3-063025

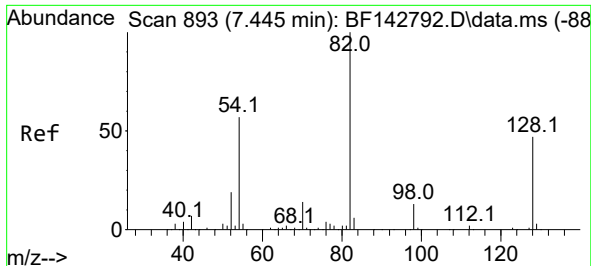
Tgt Ion: 99 Resp: 36034
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion: 136 Resp: 135760
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 8.092 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

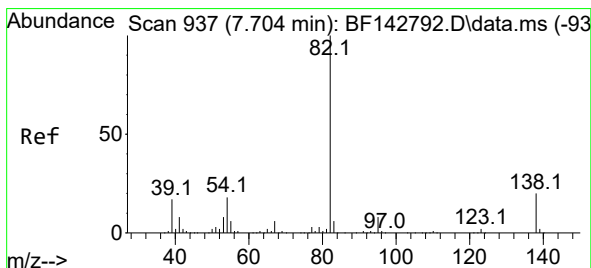
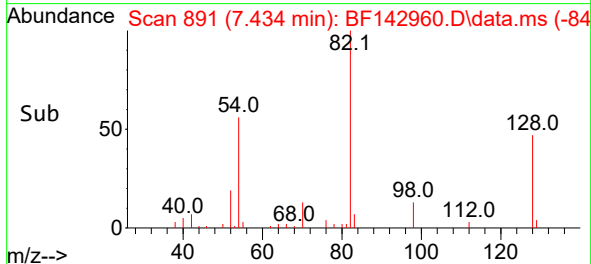
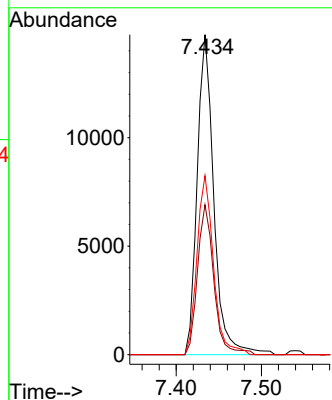
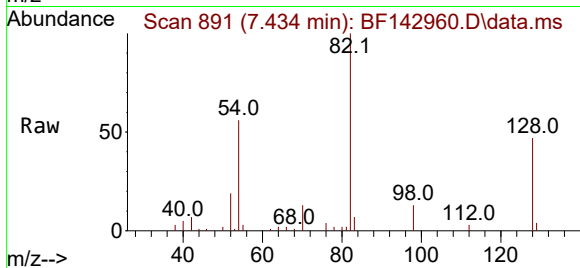
Tgt Ion: 82 Resp: 20029

Ion Ratio Lower Upper

82 100

128 46.9 37.7 56.5

54 56.0 45.7 68.5



#25

Isophorone

Concen: 5.045 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.270 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

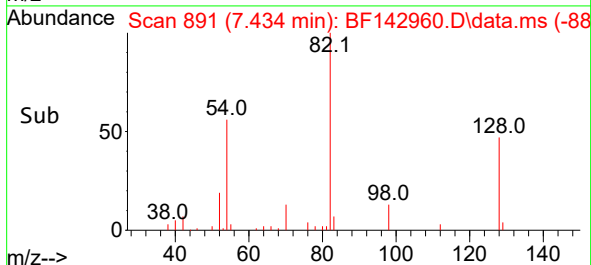
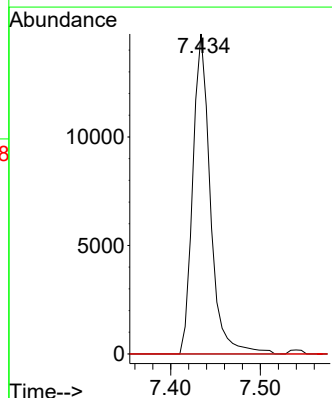
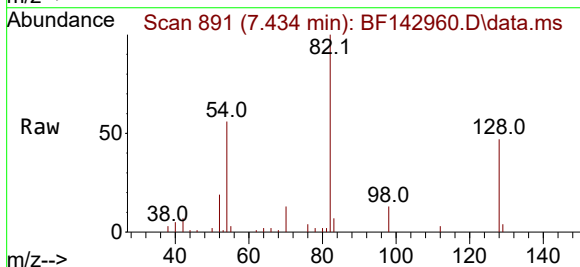
Tgt Ion: 82 Resp: 20029

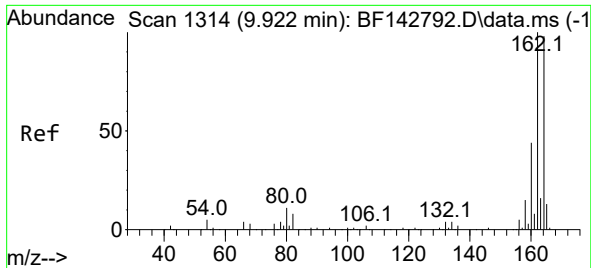
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

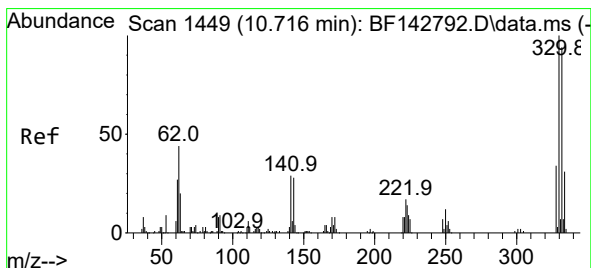
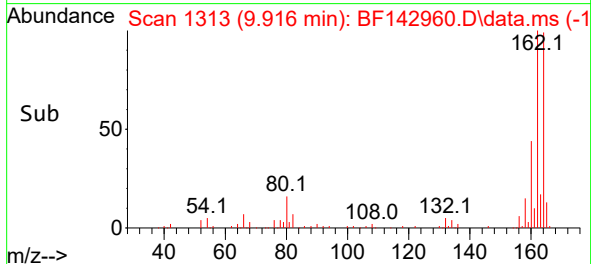
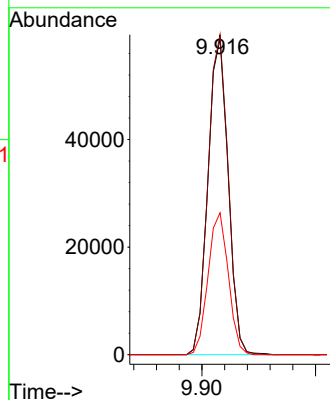
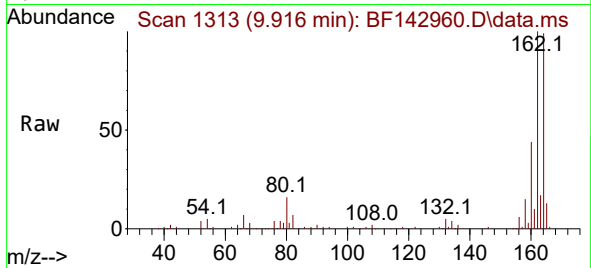




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

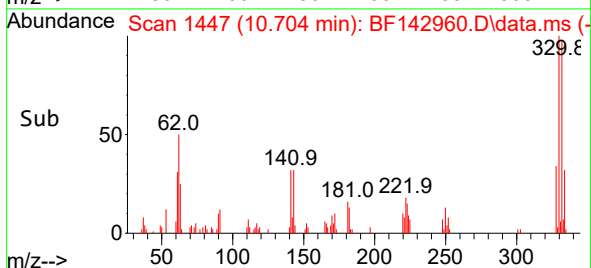
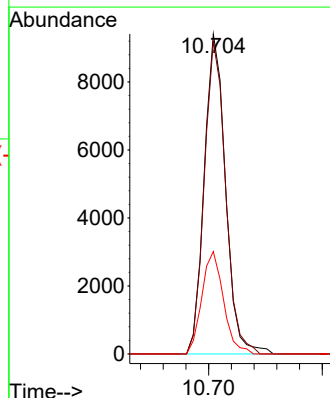
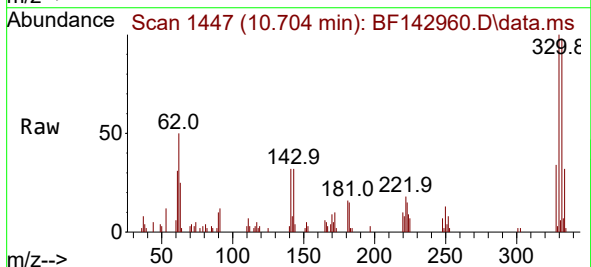
Instrument :
BNA_F
ClientSampleId :
OR-3-063025

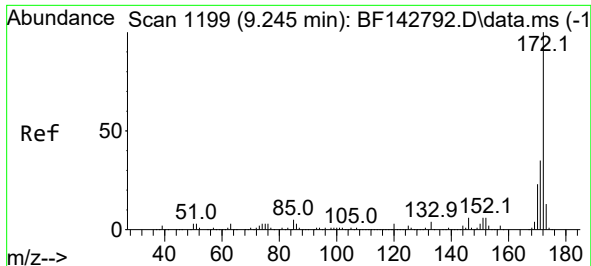
Tgt Ion:164 Resp: 72580
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.8
160 44.9 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 16.384 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:330 Resp: 12237
Ion Ratio Lower Upper
330 100
332 97.5 75.0 112.6
141 32.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 9.409 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

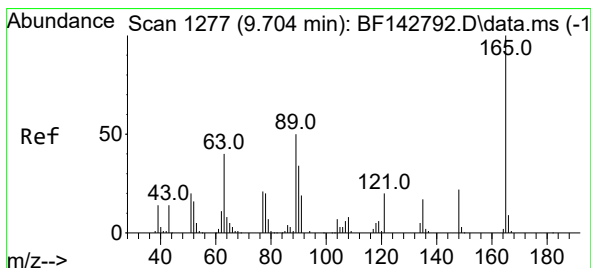
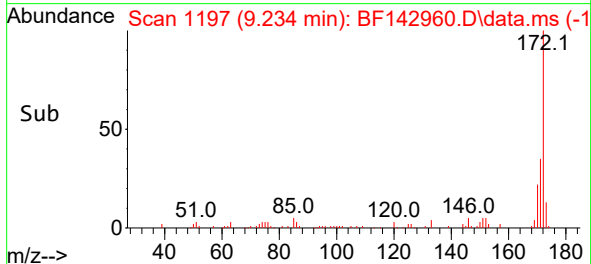
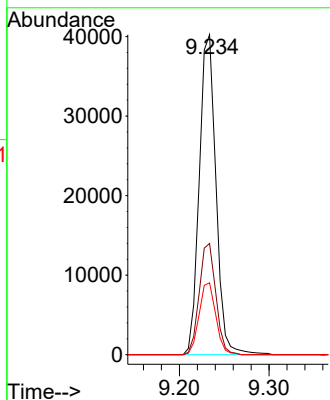
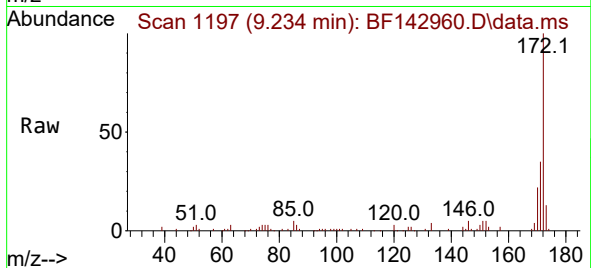
Tgt Ion:172 Resp: 51982

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.4 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.370 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

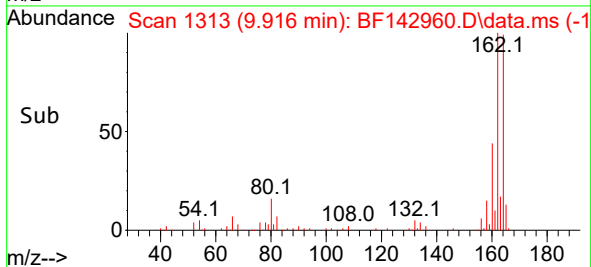
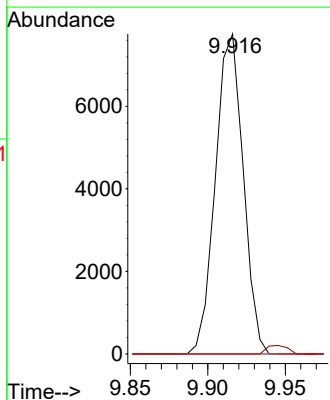
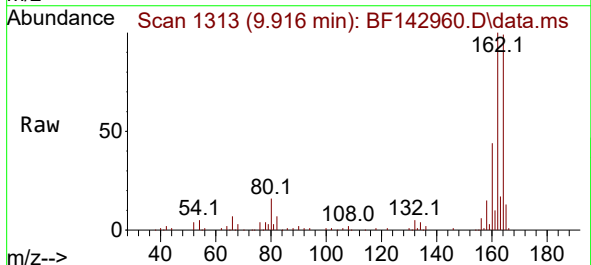
Tgt Ion:165 Resp: 9668

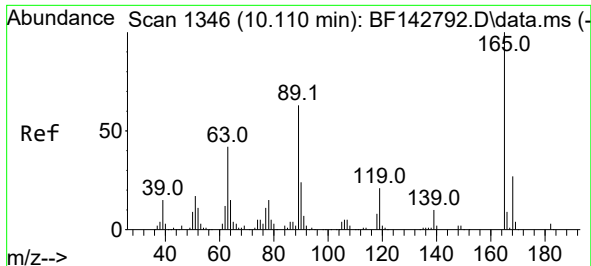
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

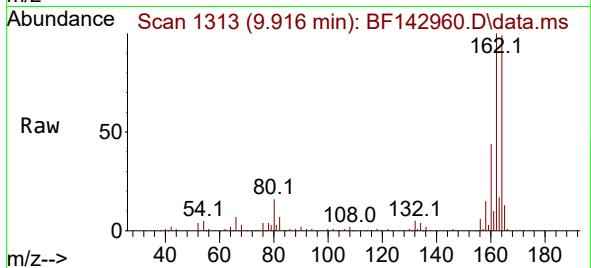
89 0.0 39.8 59.8#



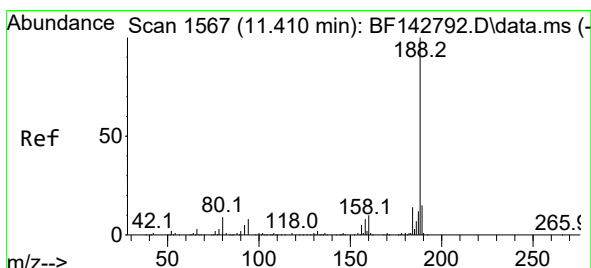
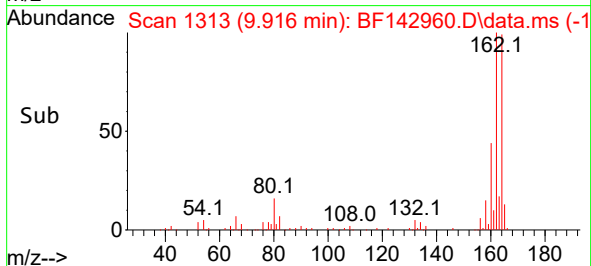
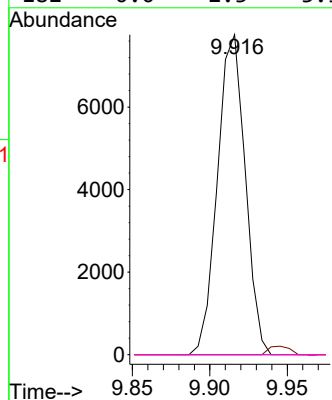


#57
2,4-Dinitrotoluene
Concen: 7.054 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

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BNA_F
ClientSampleId :
OR-3-063025

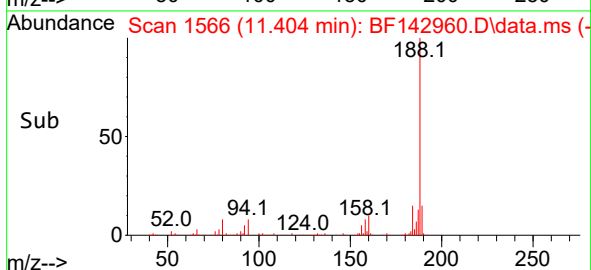
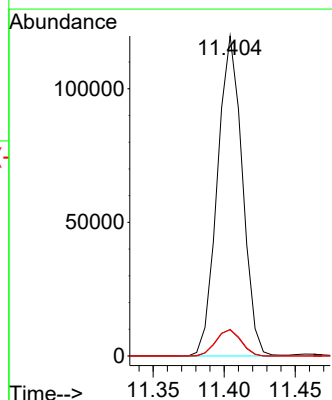
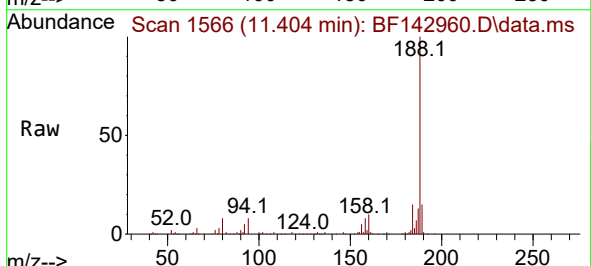


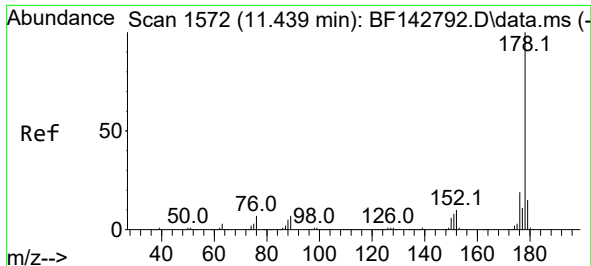
Tgt Ion:165 Resp: 9668
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:188 Resp: 146061
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3

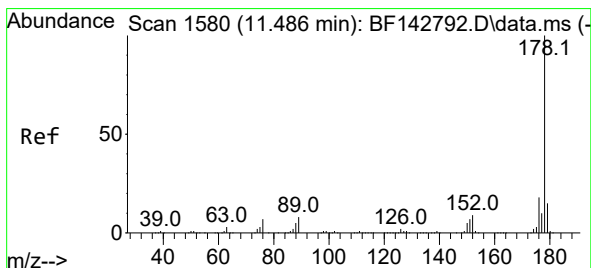
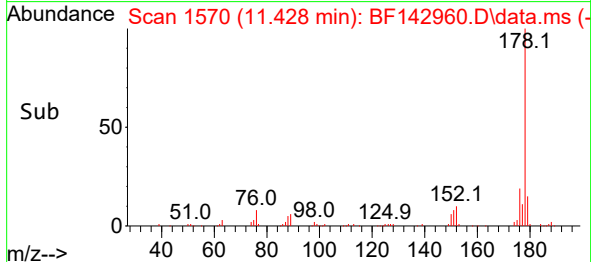
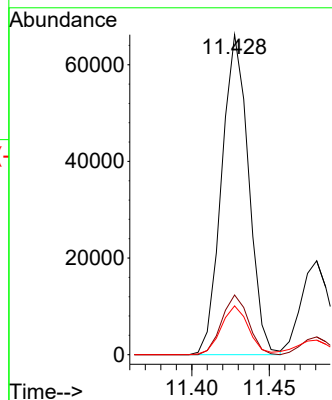
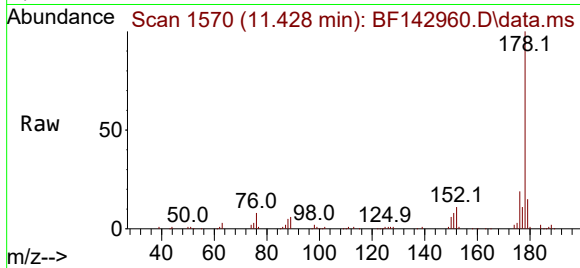




#71
Phenanthrene
Concen: 10.133 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

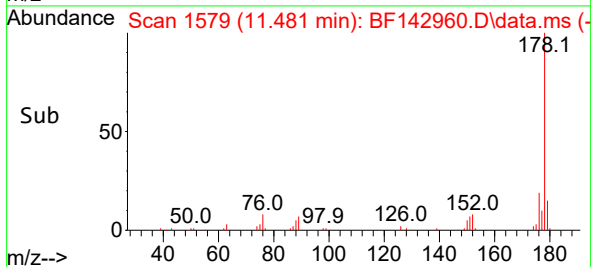
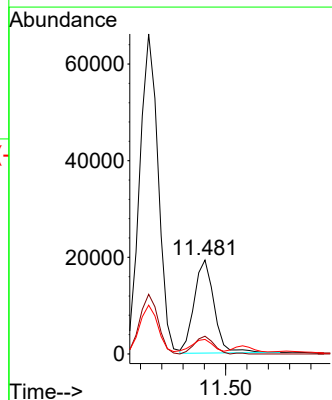
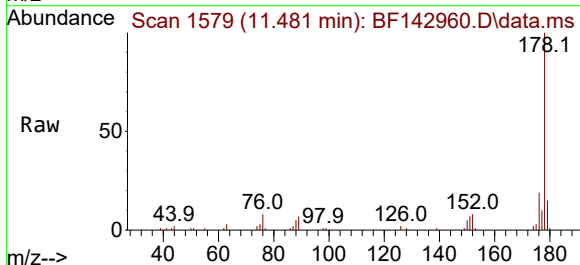
Instrument :
BNA_F
ClientSampleId :
OR-3-063025

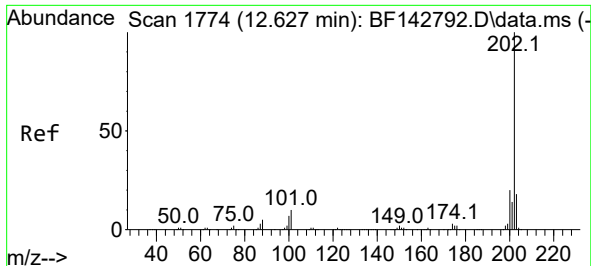
Tgt Ion:178 Resp: 80174
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.2 12.0 18.0



#72
Anthracene
Concen: 3.093 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:178 Resp: 25098
Ion Ratio Lower Upper
178 100
176 18.9 14.6 21.8
179 15.5 12.4 18.6

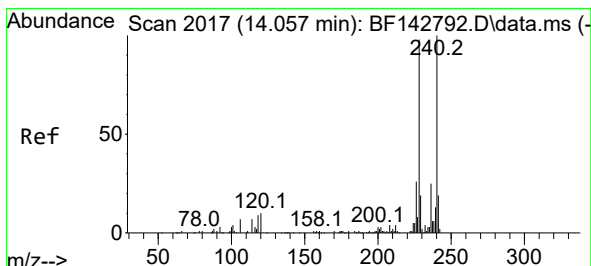
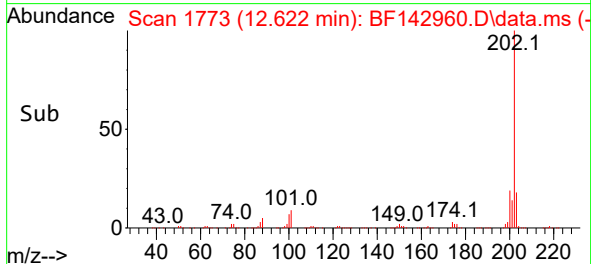
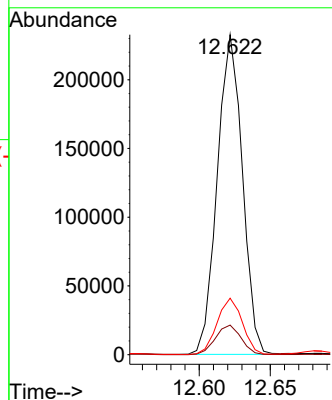
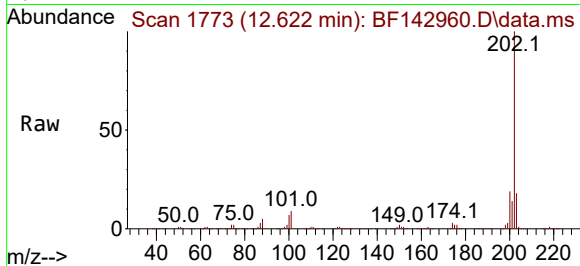




#75
Fluoranthene
Concen: 38.050 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

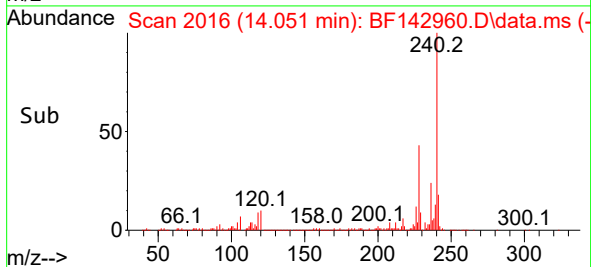
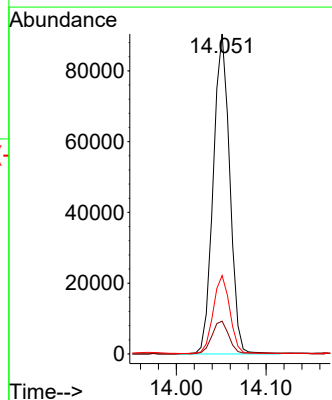
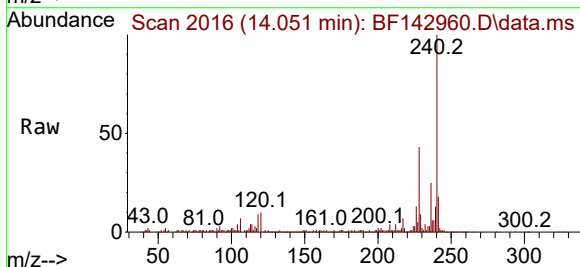
Instrument :
BNA_F
ClientSampleId :
OR-3-063025

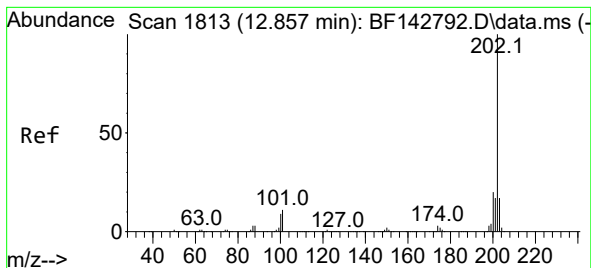
Tgt Ion:202 Resp: 285719
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:240 Resp: 115634
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.5 19.8 29.8





#78

Pyrene

Concen: 22.407 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

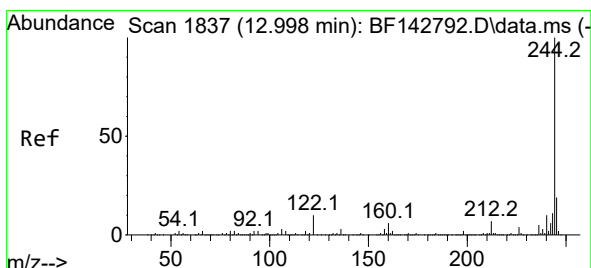
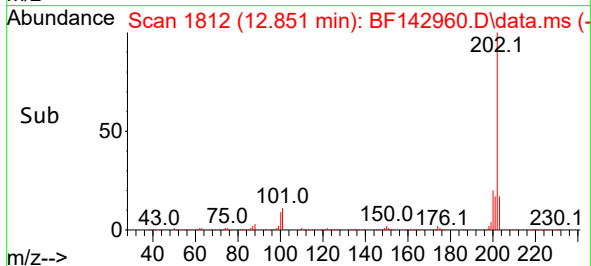
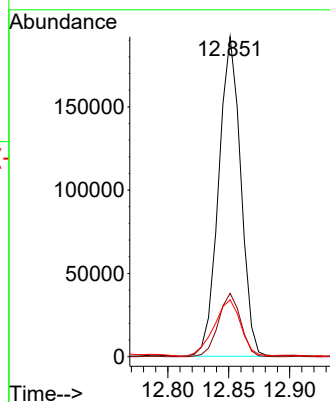
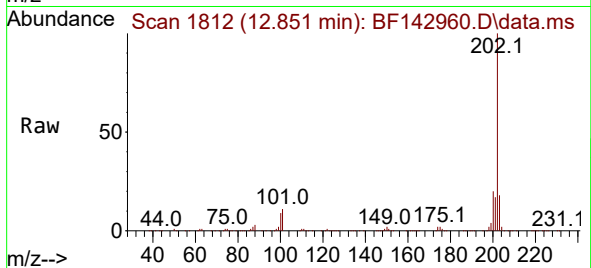
Tgt Ion:202 Resp: 242863

Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.8 13.8 20.6



#79

Terphenyl-d14

Concen: 9.820 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

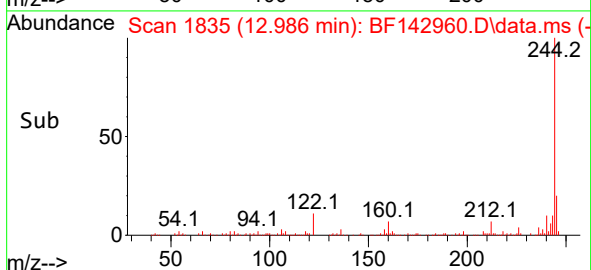
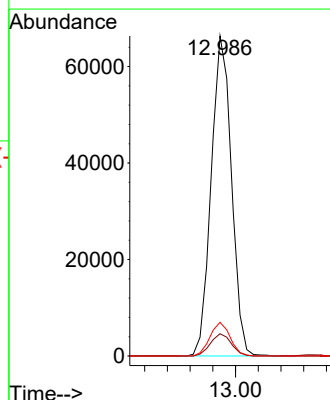
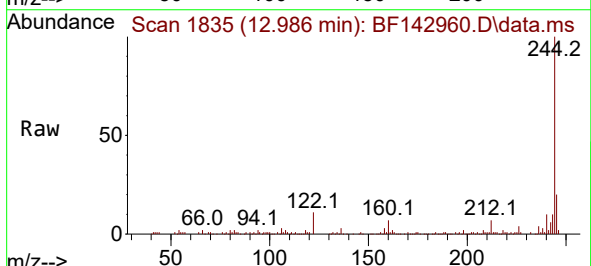
Tgt Ion:244 Resp: 82183

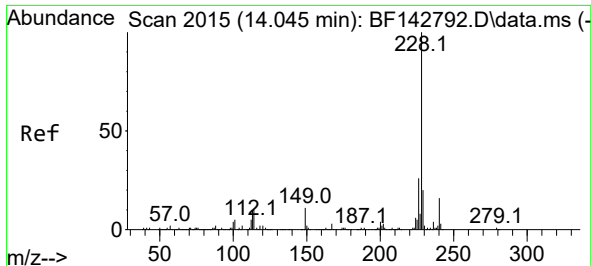
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

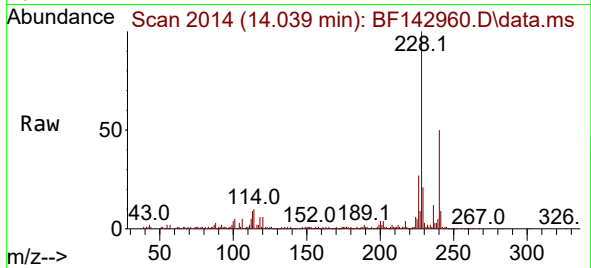
122 10.5 8.2 12.2



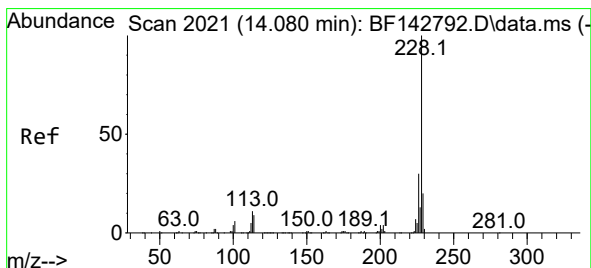
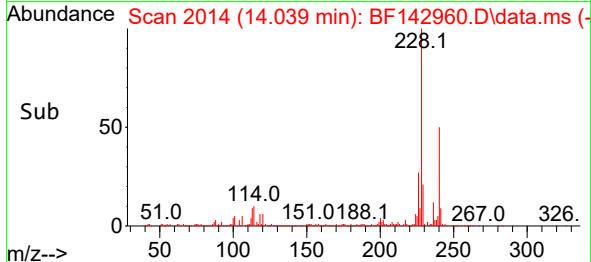
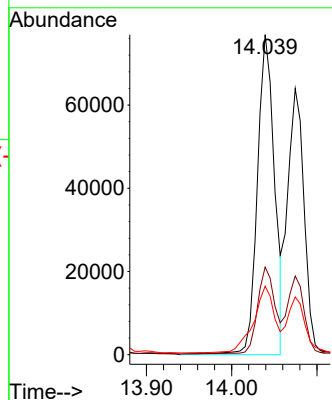


#81
Benzo(a)anthracene
Concen: 13.815 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Instrument :
BNA_F
ClientSampleId :
OR-3-063025

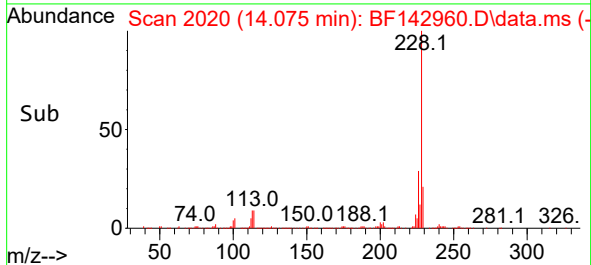
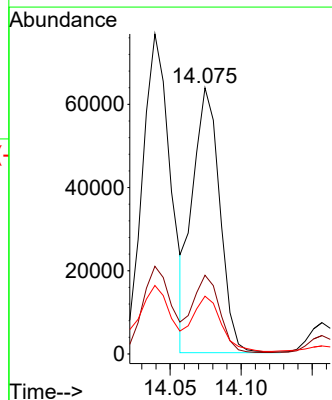
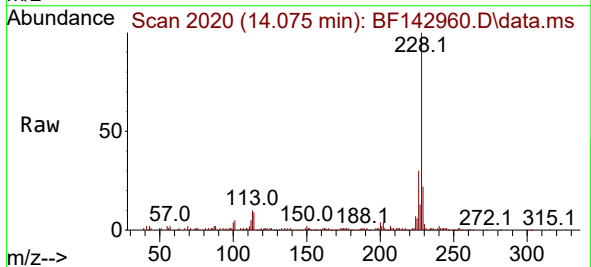


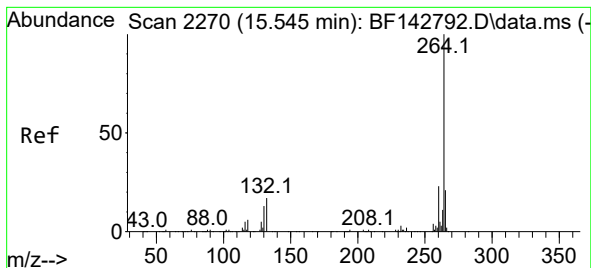
Tgt Ion:228 Resp: 107771
Ion Ratio Lower Upper
228 100
226 27.4 21.2 31.8
229 21.4 15.6 23.4



#83
Chrysene
Concen: 12.172 ng
RT: 14.075 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:228 Resp: 84725
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

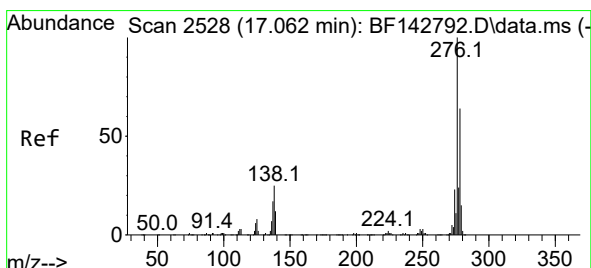
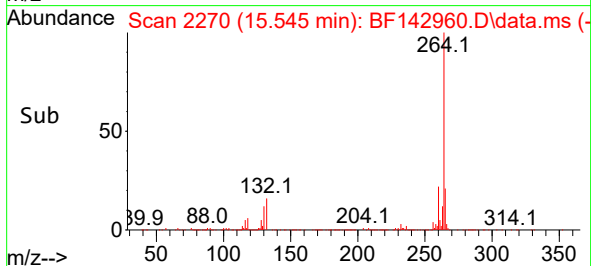
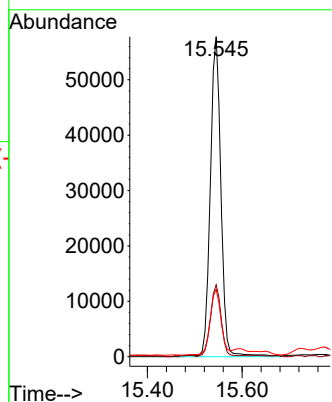
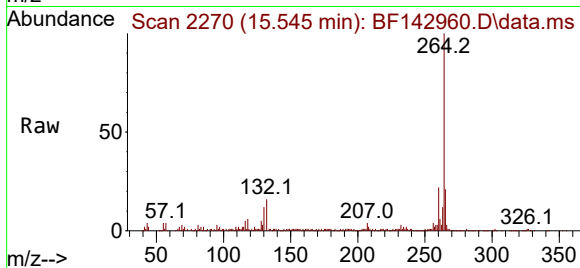
Tgt Ion:264 Resp: 89979

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 21.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.311 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.012 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

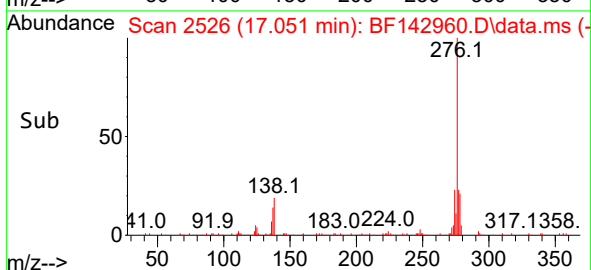
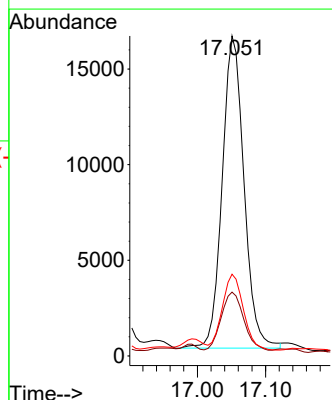
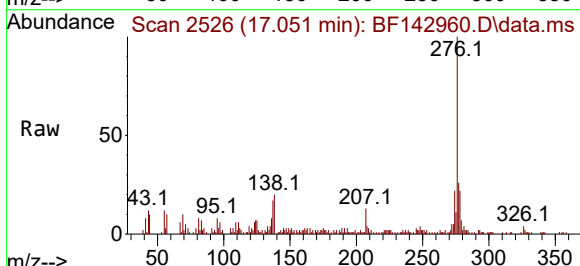
Tgt Ion:276 Resp: 36401

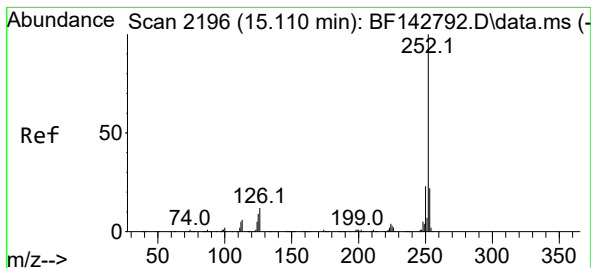
Ion Ratio Lower Upper

276 100

138 20.8 20.2 30.4

277 23.6 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 22.963 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

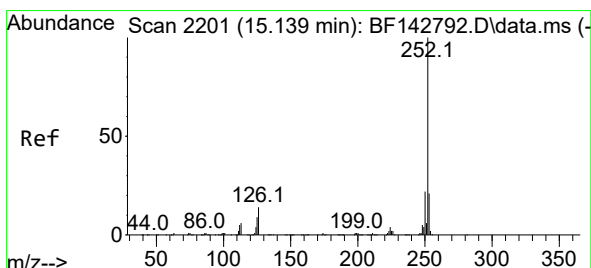
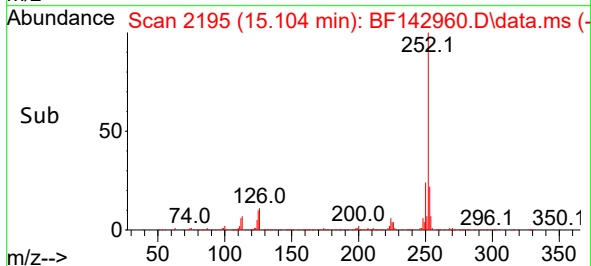
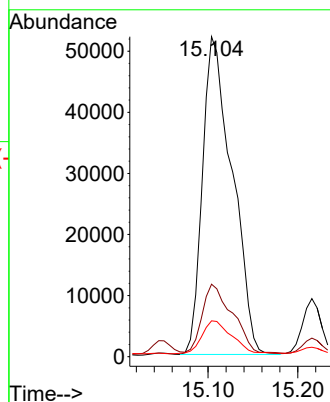
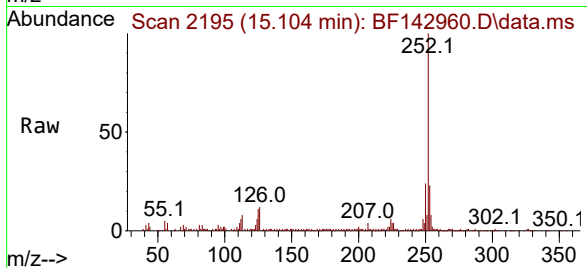
Tgt Ion:252 Resp: 119560

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.2 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 24.544 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

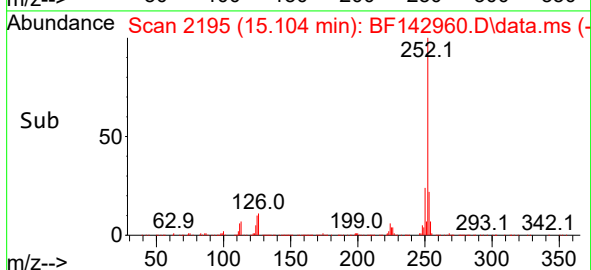
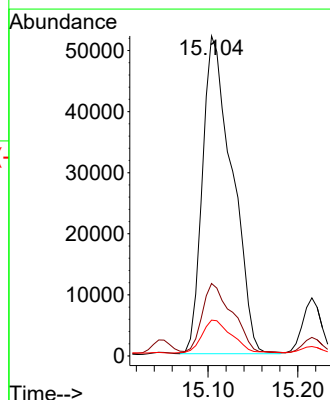
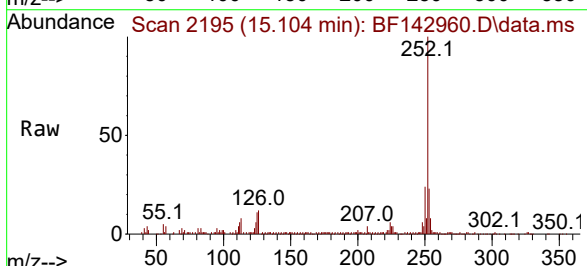
Tgt Ion:252 Resp: 119560

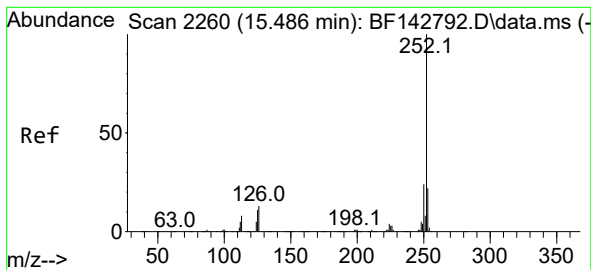
Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 11.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 11.839 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Instrument :

BNA_F

ClientSampleId :

OR-3-063025

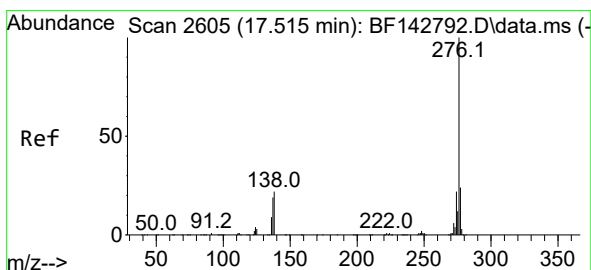
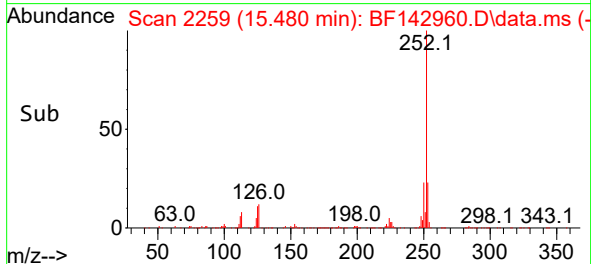
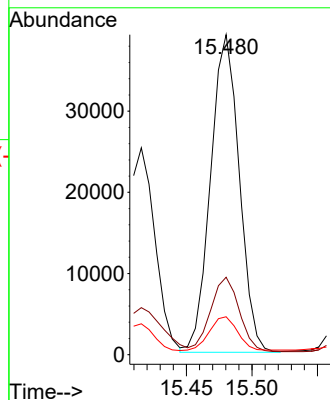
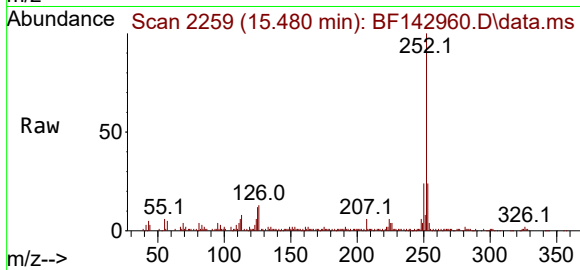
Tgt Ion:252 Resp: 59548

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 11.8 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 6.089 ng

RT: 17.510 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF142960.D

Acq: 01 Jul 2025 20:33

Tgt Ion:276 Resp: 33810

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 22.5 17.6 26.4

